penetrating distal portion, said at least one RF electrode has a non-deployed state when positioned inside said delivery device and a deployed state, in which said distal portion of said RF electrode exhibiting a curvedly changing direction of travel as the RF electrode is being advanced from the delivery device into a selected tissue site;

advancing the elongated delivery device to the selected tissue site by piercing with said tissue piercing distal end;

deploying the RF electrode into the selected tissue site to define an ablation volume;

delivering energy from the energy delivery device to the selected tissue site through said electrodes to ablate said tissue;

monitoring temperature of said tissue using sensors positioned on said at least one electrode; and

ceasing said energy delivery when said measured temperature reaches a predetermined limit.

Please add the following claims 55 to 66:

55. The method of claim 53 further comprising adjusting, in response to said measured temperature, said energy level to maintain said temperature at a desired value.

56. The method of claim 53, wherein said sensors are positioned at said distal portion of said RF electrodes.

57. A method of ablating a tissue mass comprising:

providing an ablation apparatus comprising a plurality of antennas conductively coupled to an energy source;

positioning said antennas adjacent to a target tissue mass, wherein adjacent distal ends of said antennas define an ablation volume;

delivering energy at a sufficient level which is capable of ablating said target tissue mass to said antennas;

monitoring temperature of said tissue mass using sensors positioned on said antennas as said tissue mass is being ablated; and

ceasing said delivery of energy when said measured temperature reaches a predetermined limit.

58. The method of claim 57 wherein said sensors are positioned at said distal end of said antennas.

59. The method of claim 58 further comprising adjusting, in response to said measured temperature, said energy level to maintain said temperature at a desired value.

60. The method of claim 59 further comprising infusing said tissue with an infusion medium.

61. The method of claim 60, wherein said infusion medium is a chemotherapeutic agent.

62. The method of claim 60, wherein said infusion medium is a conductivity enhancement medium.

63. The method of claim 58, wherein said ablation apparatus further comprises an elongated delivery device having a longitudinal axis, a lumen and a distal end, wherein said plurality of antennas are adapted to position within said lumen when not deployed and to extend through said distal end with curvature in a lateral direction with respect to said longitudinal axis when deployed.

64. The method of claim 63, wherein at least one of said plurality of antennas includes a lumen coupled to an infusion source.

65. The method of claim 59, wherein said energy source is a RF source and said antenna is a RF electrode.